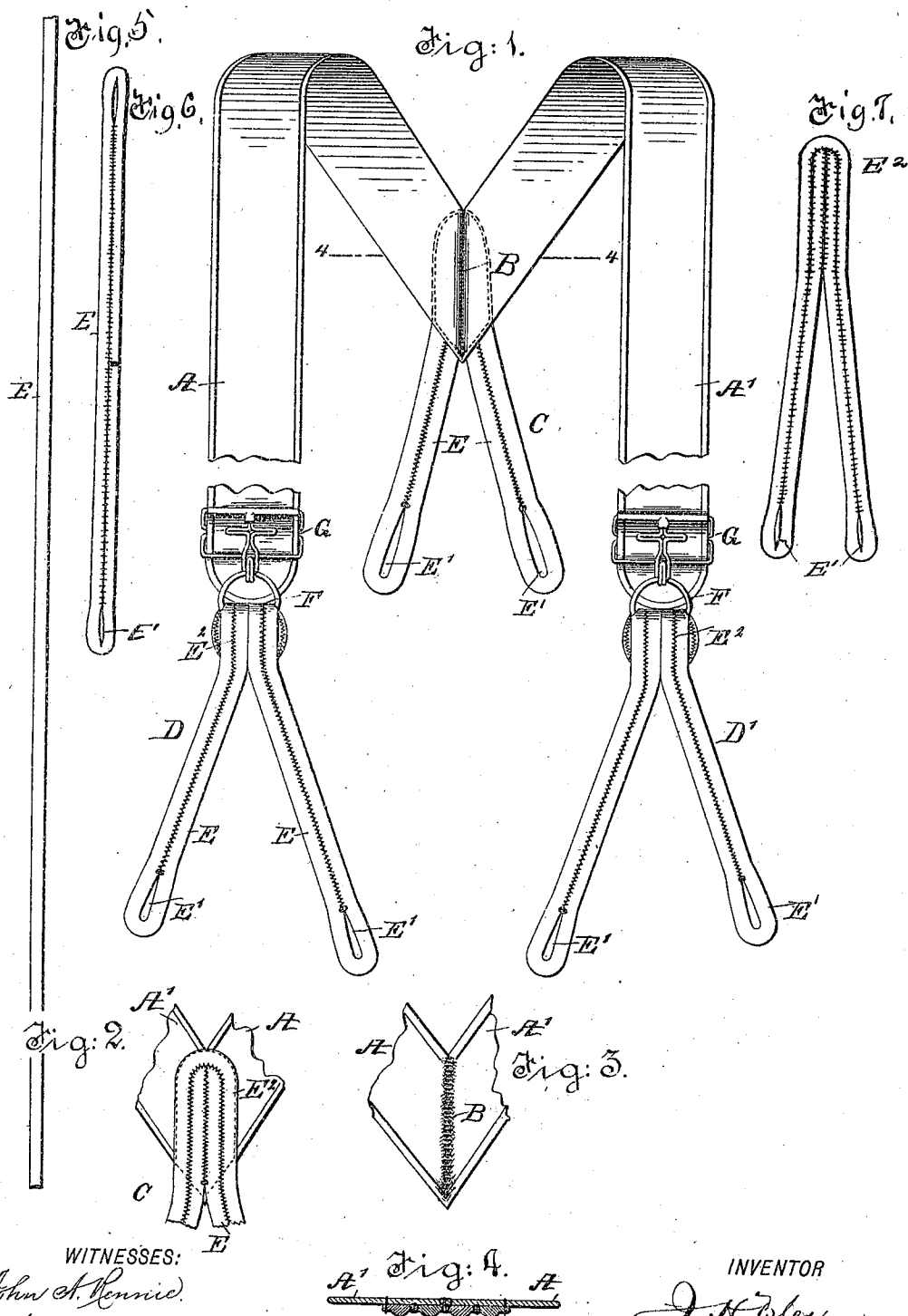


(No. Model.)

J. H. BLEY.
SUSPENDERS.

No. 502,111.

Patented July 25, 1893.



WITNESSES:
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JACOB H. BLEY, OF NEW YORK, N. Y.

SUSPENDERS.

SPECIFICATION forming part of Letters Patent No. 502,111, dated July 25, 1893.

Application filed December 3, 1892. Serial No. 453,916. (No model.)

To all whom it may concern:

Be it known that I, JACOB H. BLEY, of the city, county, and State of New York, have invented certain new and useful Improvements in Suspenders, of which the following is a full, clear, and exact description.

The object of the invention is to provide certain new and useful improvements in suspenders, whereby strong and secure suspender ends are formed and the usual attaching plates for the rear suspender ends are dispensed with entirely.

The invention consists of suspender ends formed of braid bent at or near its middle and having the adjacent edges fastened together for a suitable distance to form a head.

The invention further consists of shoulder straps jointed at the rear, and a rear suspender end formed of a single braid bent at or near its middle and having part of its adjacent edges fastened together to form a head, which is secured to the shoulder straps at their rear joint.

The invention also consists of certain parts and details, and combinations of the same, as will be hereinafter described and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the improvement. Fig. 2 is an enlarged face view of the rear suspender end. Fig. 3 is an inner side view of the joint of the shoulder straps. Fig. 4 is a sectional plan view of the shoulder straps and rear suspender end on the line 4-4 of Fig. 1. Fig. 5 is a plan view of a piece of braid from which one of the ends is made. Fig. 6 is a similar view of the braid partly folded, and Fig. 7 is a plan view of the completed end, detached.

The suspender is provided with the usual shoulder straps A and A', made of a suitable webbing and having their rear ends fastened together at an angle to form a joint B, as plainly shown in Fig. 1. To the rear jointed ends of the shoulder straps A and A' is secured the rear suspender end C and to the front end of each shoulder strap is attached a suspender end D or D' respectively.

Each of the suspender ends C, D or D' is

formed of a single piece of braid E which is first doubled upon itself, with the ends meeting at the center of the length of the braid, as shown in Fig. 6, and its edges sewed or otherwise fastened together with the exception of the ends, so as to form loops E' for engagement with the buttons or other attaching devices on the garment. The piece of braid thus doubled up is again doubled upon itself at or near its middle as shown in Fig. 7 and the adjacent edges are fastened together by stitching or otherwise for a suitable distance to form a head E² from which extend the straps each containing at its outer end a loop E', as will be readily understood by reference to said Fig. 7.

The head E² of the rear suspender end C is placed over the joint B of the shoulder straps A and A', and fastened to the latter at opposite sides of the joint, so as to securely unite the rear suspender end to the jointed rear ends of the shoulder straps A and A', as shown most clearly in Fig. 2. It will be seen that by this construction, no additional plate or other fastening device is necessary to attach the straps of the rear suspender end to the jointed ends of the shoulder straps. The head E² of each of the front suspender ends D or D' is passed through a ring F or other attaching device and then doubled up upon itself and fastened together to form a loop for securely holding the ring F in place. The latter is attached to the usual buckle G engaging the shoulder straps A and A' at their front ends.

It will be seen that no additional plate or piece whatever is necessary for attaching either the rear suspender end C to the jointed shoulder straps nor is a plate necessary for attaching the straps of the front suspender ends D or D' to the ring F or other attaching device.

Suspender ends formed of braid in the manner described are very strong and durable and are not liable to break or tear, at the same time giving an ornamental appearance to the entire suspender.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. A suspender end formed of a single piece of braid E doubled upon itself, with the ends

- meeting at the center of the length of the braid, and sewed together except near the ends to form loops E', the braid thus doubled being then doubled again upon itself at its middle and the edges sewed together for a suitable distance forming the head E² by which the end is secured to the suspender and two straps projecting from the head, substantially as described.
2. A suspender, comprising shoulder straps secured together at the rear at an angle, and provided at their front ends with rings, and ends each formed of a single piece of braid doubled upon itself with the ends meeting at the center of length of the braid and sewed together except near the ends to form loops, the braid thus doubled being then doubled again upon itself at its middle and the edges sewed together to form a head, and to straps projecting from the head, the head of the rear end being secured directly to the shoulder straps over the joint thereof and the heads of the front ends passed through the said rings doubled upon themselves and fastened together, substantially as described.

JACOB H. BLEY.

Witnesses:

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